

**Notice of Allowability**

Application No.

10/751,713

Examiner

Jung (John) Hur

Applicant(s)

LUK ET AL.

Art Unit

2824

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Preliminary Amendment, filed 15 March 2004.
2. ☒ The allowed claim(s) is/are 1-42.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 8/9/04
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☒ Other search history.

Notice of Allowability

**RICHARD ELMS**  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2800

### **DETAILED ACTION**

1. Claims 1-42 are pending in the application.

#### ***Information Disclosure Statement***

2. Acknowledgment is made of applicant's Information Disclosure Statement (IDS) Form PTO-1449, filed 09 August 2004. The information disclosed therein was considered.

#### ***Drawings***

3. The formal drawings were received on 20 February 2004. The replacement drawing sheets were received on 15 March 2004. The drawings on the replacement sheets are acceptable.

### **EXAMINER'S AMENDMENT**

4. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the specification, in the first paragraph on page 1, "XX/XXX,XXX" has been replaced with --10/751,714--.

In claim 1, in the second line from the end, "the read select gate" has been replaced with -the read select switch-- (to correct a minor antecedent basis error).

In claim 12, in the second line from the end, “the read select gate” has been replaced with --the read select switch-- (to correct a minor antecedent basis error).

In claim 25, in the fourth line from the end, “the read select gate” has been replaced with --the read select switch-- (to correct a minor antecedent basis error).

In claim 33, in lines 8-9 of the claim, “at least one bit line” has been replaced with --the at least one bit line-- (to correct a minor antecedent basis error).

In claim 33, in line 18 of the claim, “the gate of the of the read select switch” has been replaced with --the gate of the read select transistor-- (to correct a typographical error and a minor antecedent basis error).

In claim 33, in the second line from the end, “the read select gate” has been replaced with --the read select transistor-- (to correct a minor antecedent basis error).

***Allowable Subject Matter***

5. Claims 1-42 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

Regarding claims 1, 12, 25 and 33, the prior arts of record do not disclose or suggest a memory cell, a memory array, a method or a semiconductor as recited in claim 1, 12, 25 or 33, and particularly, the first terminal (or the first source/drain diffusion region) of the write switch (or transistor) coupled to the at least one bitline; and the second input terminal (or the source diffusion region) of the two terminal semiconductor device coupled to the at least one second control line; and the control terminal (or the gate) of the read select switch (or transistor) coupled

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to the at least one second control line; and the first terminal (or the first source/drain diffusion region) of the read select switch (or transistor) coupled to the at least one bitline.

### ***Conclusion***

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Luk et al. (U.S. Pat. Appl. Pub. No. 2005/0145895)

Luk et al. (U.S. Pat. Appl. Pub. No. 2005/0128803)

Shibutani et al. (U.S. Pat. No. 5,841,690)

Jiang (U.S. Pat. No. 4,308,594)

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jung (John) Hur whose telephone number is (571) 272-1870.

The examiner can normally be reached on M-F 6:30 AM - 3:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Elms can be reached on (571) 272-1869. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

jhh